

ABSTRACT OF THE DISCLOSURE

The invention relates to an SMC (sheet moulding compound) for producing fibre-reinforced duroplastic components. Said SMC consists of a resin matrix (2) which is fibre-reinforced with unidirectional fibres (UD-fibres) (7) that are arranged in axial alignment and preferably with additional cut fibres (random fibres) (4) that are arranged in a non-aligned manner in the resin matrix. According to the invention, in order to achieve extremely high rigidity in a multi-axial direction with a low surface weight, several layers of SMC are arranged in the component, each layer containing UD-fibres (7) with a different axial alignment from one another.